

Welcome



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Thank you for your interest in the Critical Care Medicine Fellowship Program at Cooper University Hospital. Our program offers one- and two- year fellowships in critical care medicine and is fully accredited by the Accreditation Council on Graduate Medical Education (ACGME).

The Division of Critical Care Medicine is a component of the Department of Medicine. Cooper University Hospital, the major clinical site of Cooper Medical School of Rowan University (CMSRU), is a 635-licensed bed, not-for-profit academic medical center. It is the only Level 1 Trauma Center in southern New Jersey, dedicated to the treatment of the critically ill and critically injured patient.

Our critical care trainees are exposed to the spectrum of critical illness and critical injury and are fortunate to be taught by some of the world's leading academic intensivists.

The critical care faculty, CMSRU, and Cooper University Hospital are jointly committed to delivering the finest care to patients with critical illness and injury; educating the best academic and community hospital-based intensivists to become the leaders in their field; and furthering medical knowledge through the pursuit of innovative research in critical care medicine.

to serve

Critical Care Medicine Fellowship Program



**Our mission is to train
balanced Intensivists who
are equal parts Clinician,
Scholar, Communicator,
and Leader.**

The Clinician

Great clinicians are the product of dedicated mentorship, diversity in patients and pathology, hands-on experience, and graduated responsibility. We aim to develop capable bedside clinicians using leading evidence and therapeutic techniques along with multimodal assessment tools in a high intensity multidisciplinary intensivist model.

The Scholar

It is our responsibility to propel the science and practice of critical care. Our program is committed to producing scholars who are knowledgeable consumers, practical educators, and capable contributors to the medical literature.

The Communicator

Care comes in many forms. It can be life-saving, life-sustaining, or life-transitioning. A plan of care is only as effective as its execution. Our fellows are trained to be empathetic communicators who coordinate and deliver care both effectively and compassionately to patients, families, and colleagues.

The Leader

The healthcare landscape is changing and it will dictate the way care is delivered to future generations. We are dedicated to developing the physician leaders of tomorrow by integrating the Art, Business, and Science of medicine through structured mentorship and the practical application of evidence-based, patient outcome-driven programs and projects.

to heal

Critical Care Medicine Fellowship Program continued



Cooper prides itself on tradition. For more than 130 years, patients from Camden and the surrounding communities have come to Cooper University Health Care to receive a comprehensive range of health care services, including the highest level of tertiary care in the region.

Cooper University Hospital is the major clinical site of Cooper Medical School of Rowan University, which graduated its inaugural class of medical students in 2016. It is the largest academic medical center and the only Level 1 Trauma Center in southern New Jersey. Cooper serves the needs of a broad patient population consisting of primary, secondary, and tertiary medical care.

The Division of Critical Care Medicine is dedicated to providing patient-centered, multidisciplinary care for the critically ill patient. There are 93 critical care beds divided among the Medical/Surgical ICU (30), Intermediate ICU (12), Pediatric ICU (5), Trauma ICU (16), Trauma Step-down Unit (10), CCU (12), Stroke Unit (4), and four beds in our Critical Care Admitting Area (CCAA).

The Dr. Edward D. Viner Intensive Care Unit at Cooper University Hospital is an acknowledged center of excellence in the Delaware Valley, featuring a 25,000-square-foot, 30-bed state-of-the-art unit with the latest in advanced imaging and invasive monitoring equipment.

Our multidisciplinary patient care teams include pharmacologists and provide rapid response, consultation and management of patients outside the intensive care unit. The Cooper Transfer Center facilitates the safe, timely transfer and management of adult critically-ill patients from various outlying hospitals in the Delaware Valley.

to educate

Educational Experience



The goal of the Critical Care Medicine Fellowship is to train board-eligible or board-certified internists in the subspecialty of critical care medicine.

Fellows will be exposed to the clinical aspects of critical care medicine as well as teaching, administration, and research in order to prepare them to function in either an academic center or a community hospital environment.

The duration of the fellowship is one or two years, depending on board-eligibility requirements. A fellow may be offered an additional year to pursue research interests by special arrangement.

The medical/surgical intensive care unit is staffed by a multispecialty group of full-time faculty members from the departments of medicine, surgery and anesthesia. The ratio of faculty to trainees exceeds 1:1.

The first year is predominantly clinical, with the majority of time spent in the medical/surgical ICU and additional time in related clinical areas, such as intubation training, the cardiovascular surgery service and the coronary care unit. The second year provides time in the following areas: additional clinical experience in the critical care units, elective and research. Fellows who intend to pursue academic careers are encouraged to spend at least six months on a research rotation.

Rotations are available in the pediatric ICU (under the direction of the pediatric intensivists) and shock-trauma unit (under the direction of the trauma surgeons). Electives available include pulmonary medicine, nephrology, clinical anesthesia, infectious diseases, neurocritical care, and echocardiology. The program for each fellow is tailored to that fellow's background and goals.

Procedures

The attending physician has ultimate responsibility for care rendered by the critical care fellow. Therefore, depending on the procedure and the degree of experience of the trainee, supervision of procedures may or may not be required. Supervision, when required, will be direct observation of the fellow performing the procedure by the attending physician or other qualified supervisor.

Research

All fellows will be expected to complete a research, quality improvement, and patient safety project during their fellowship, and protected time is provided for this purpose. The time commitment and extent of research involvement depends upon the fellow's interest in pursuing an academic career. Each fellow's research interest will be matched with appropriate investigative projects in clinical or basic science research, and will be guided and monitored by an academic critical care physician whose expertise coincides with the area under study.

While participation in ongoing projects is invited, two-year trainees are required to implement at least one laboratory or clinical research project of their own design and present their data in an open scientific forum.

Didactic Conferences



Didactic conferences are held daily.

Critical Care Board Review

Faculty present at this lecture every Monday. The conferences are designed to teach the fellows about the mechanics of multiple-choice questions and to help our fellows maintain a 97 percent board pass rate.

Critical Care Journal Club

Critical care fellows are assigned a journal club article and a faculty mentor to dissect the article and present it once a month.

Fellows' Grand Rounds

Our senior fellows have the responsibility for presenting one topic each year with faculty support. The fellow is expected to assemble and moderate the conference, provide audiovisual support and hand-outs for the case and invite individuals with special expertise to the conference.

Didactic Lectures

These lectures are held bi-weekly. State-of-the-art lectures are presented not only by the critical care faculty, but in keeping with the multidisciplinary nature of the training program, didactic lectures may also be given by faculty and visiting professors specializing in trauma, infectious disease, cardiovascular, or emergency medicine. We invite regional, national and internationally-renown faculty to discuss the most important topics in critical care.

Morbidity and Mortality

All deaths in the medical/surgical intensive care unit and any morbidity is reviewed. Fellows are assigned to present a case synopsis for the deaths and morbidities once a month.

Ultrasound

Critical Care Faculty and Fellows present at this lecture every Friday morning in preparation for Critical Care Echo Boards. Image review is an integral part of this conference.

Mechanical Ventilation Curriculum

These are monthly lectures led by Dr. Bartock and Dr. Damuth to make our fellows experts in mechanical ventilation.

Didactic Conferences continued



Teaching Rounds

Conducted daily in the medical/surgical ICU by critical care faculty with active participation by fellows and the multidisciplinary patient care team members.

Annual Board Review

A two-day comprehensive, multidisciplinary review.

Simulation Lab

Simulation Lab is held once a month. Sample topics are:

- Difficult Airway
- Bleeding cardiac surgery patient
- Mechanical circulatory support
- Cricothyrotomy
- Management of elevated intracranial pressures

The SimLab is a state-of-the-art-simulation facility where fellows develop and enhance their procedural skills, difficult airway management, bronchoscopy and crisis team response. In addition, the SimLab provides the opportunity for fellows to teach junior residents and medical students basic procedures and management of medical emergencies.

Fundamental Critical Care Support (FCCS)

Developed by the Society of Critical Care Medicine, FCCS is a standardized course on the basic principles of critical care that is administered in August to all new critical care fellows and residents.

Multi-disciplinary Conference

ED-CCM: Engaging interdepartmental collaborations around stimulating topics. An example is: "Controversies in Critical Care: Prophylactic antibiotics after cardiac arrest – yes or no?"

Educational Presentations

Mondays, Wednesdays, and Fridays the fellows and faculty give educational lectures to residents and medical students to educate the house staff and refine their presentation skills.

Opportunity to Function as a Junior Attending

Fellows will have the opportunity to function as an attending and lead the multidisciplinary team in making patient-care rounds during the final months of either the two-year or one-year training program.

Didactic Conferences continued



Critical Care In-Service Examination

The Multidisciplinary Critical Care Knowledge Assessment Program (MCKKAP) administered through the Society of Critical Care Medicine is a four-hour standardized critical care in-service examination given annually to all critical care fellows. MCKKAP allows critical care fellows to compare their knowledge base with other critical care fellows nationwide, and the fellows in the two-year program are able to evaluate their progress between the first and second year of the program. Only the respective fellow and the program director will know actual examination results.

Schedule

Weekday	Educational Conference
Monday	Board Review
Monday, Wednesday, Friday	Resident and Medical Student Lectures
Tuesday and Thursday	Didactics, M&M, Grand Rounds, Journal Club, Simulation
Friday	Ultrasound

How to Apply



Contact Information

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Contact:

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CooperHealth.edu/fellowships/
critical-care-medicine

Address:

Cooper University Hospital
Division of Critical Care Medicine
One Cooper Plaza
Dorrance Building, Suite 427
Camden, NJ 08103

The Critical Care Medicine Fellowship Program at Cooper University Hospital participates in the Electronic Residency Application Service (ERAS). Information regarding the ERAS application process and timeline is available on the websites listed below.

Association of American Medical Colleges

aamc.org/eras

ERAS Fellowship Document Office

aamc.org/students/medstudents/eras/fellowship_applicants

ERAS applications must contain of the following information in order for your application to be considered:

- Common application form
- Curriculum vitae
- Medical school transcript
- Three original letters of recommendation, one of which must be from your current or most recent training director
- Personal statement describing your training goals and future career plans
- ECFMG certification (IMG only)
- USLME reports (1,2 and 3)
- Osteopathic COMLEX examination

The program director and division head will review applicant files. Invitation for interview will be based upon their recommendations.

Program Eligibility

Eligibility for the Critical Care Medicine Fellowship requires a minimum of three years of ACGME medical training in internal medicine or emergency medicine. Individuals accepted for a position in the fellowship program must be U.S. citizen, classified as a resident alien, or hold a J-1 visa.

The application deadline for the 2020-2021 academic year is July 31, 2019.

Interviews will be complete by early September, 2019.

The Cooper Campus and Surrounding Area



The expansion project at Cooper is a direct reflection of the growth in services that Cooper has experienced over the past several years.



Cooper University Health Care is the leading academic health system in South Jersey. Since 1887, Cooper has been providing quality health care to the people of Camden County and South Jersey. When it comes to care, Cooper's experts treat minor problems, critical illnesses, and major traumas with the same level of excellence. These experts will train you – the medical professionals of the future – while together as colleagues providing our patients with comprehensive, compassionate care today. It's more than just medicine, it's our mission.

Located across the Delaware River from Philadelphia, Cooper University Health Care has more than 7,500 employees, including more than 1,250 nurses and 630 physicians in more than 75 specialties. As one of the most trusted health systems in the region, Cooper offers patients quality health care from primary care to specialty care in one or more of its premier Institutes and Centers of Excellence. In 2018, Cooper received 28,716 hospital admissions, 80,802 Emergency Department visits, 46,511 visits to our Urgent Care Centers, and more than 1.6 million outpatient visits. Our teams saw 23,110 surgical cases, 3,766 trauma cases, and more than 123,000 combined inpatient and outpatient cancer visits.

Cooper University Hospital is the center of a growing Camden Health Sciences Campus that includes MD Anderson Cancer Center at Cooper, Sheridan Pavilion at Three Cooper Plaza medical offices, Cooper Medical School of Rowan University (CMSRU), internationally acclaimed Coriell Institute for Medical Research, and the Ronald McDonald House of Southern New Jersey. Cooper is proud to be a catalyst working to transform our community for the better.

The hospital's 312,000-square-foot, 10-story Roberts Pavilion features technologically advanced operating room suites with hybrid imaging capabilities, an advanced laboratory automation facility, and the 25,000-square-foot Dr. Edward D. Viner Intensive Care Unit—featuring 30 private patient rooms equipped with the latest in advanced technology, and allowing 360-degree patient access. Five patient rooms are capable of negative pressure isolation, and five rooms have chambered isolation alcoves. In addition, an enlarged room with operating room-caliber lighting is outfitted to perform bedside exploratory laparotomy in patients considered too medically unstable for transport to the operating room. We are proud to be the first in the nation to provide advanced surgical trauma training to the United States Army Elite Forward Resuscitation Surgical Team.

As South Jersey's only Level 1 Trauma Center and Level II Pediatric Trauma Center, Cooper provides critically ill patients with life-saving care. Cooper's two medical transport helicopters have 24/7 access to a helipad with the latest lighting, snow-melting capabilities, and automatic drainage to prevent icing. Our recently-expanded Emergency Department includes state-of-the-art exam rooms and an iTrack system to improve the flow of patients through the ED, reducing patient wait times. Additionally, designated floors within the hospital serve specific patient populations, including those needing advanced surgical and heart care, along with South Jersey's only dedicated 30-bed inpatient cancer unit.

The Cooper Campus and Surrounding Area, *continued*



Cooper University Health Care and MD Anderson Cancer Center in Houston, Texas, partnered in 2013 to create MD Anderson Cancer Center at Cooper. Our partnership is a full clinical integration between the two programs. MD Anderson at Cooper physicians adhere to the same philosophy, protocols, and guidelines set by MD Anderson in Houston, and patients receive the same proven practice standards and treatment plans provided at MD Anderson. Today at MD Anderson at Cooper, patients have access to more clinical trials for more types of cancer than ever before, as well as a full range of supportive care services. Additionally, Cooper's Center for Special Diagnostics, located in our Education and Research Building, includes molecular pathology, flow cytometry, and cytogenetics, enhancing Cooper's ability to provide genomic testing for cancer patients at Cooper.

CMSRU's Medical Education Building is located on the Cooper Health Sciences Campus on South Broadway, between Benson and Washington Streets. The medical school, which opened in July 2012, was designed to support an innovative curriculum that integrates knowledge of basic science concepts, early clinical experience and patient care, self-directed learning, teamwork, and medical and non-medical activities for the greater community's benefit. It was featured in U.S. News and World Report's ranking of the 10 U.S. medical schools with the lowest acceptance rates in fall 2018. It received 6,708 applications and admitted only 203 students, for an acceptance rate of 3%. In 2019, 100% of medical students matched with a residency program.

The Cooper Health Sciences Campus is located in the heart of Camden's business district. The academic medical center campus is easily accessible by car or public transportation via the PATCO and bus terminal adjacent to the hospital. Public transportation options offer convenient access to Philadelphia's cultural, culinary, and historic venues, as well as a range of living and entertainment options in South Jersey, including walkable communities such as Haddonfield and Collingswood.

Cooper is a short walk or drive from the exciting Camden waterfront, which includes a magnificent waterfront park and marina; the Adventure Aquarium; and the BB&T Pavilion, which hosts nationally renowned entertainment throughout the year. Nearby are the 76ers Training Complex, L3 Communications complex, Rutgers University Camden Campus, Rowan University, and Camden County College. There are expected to be \$350M in transportation and infrastructure improvements within the next four to five years to handle the influx of thousands of new employees to the area and students at nearby growing academic campuses.

Cooper is proud to be part of the transformation of our community. Employment in the city of Camden has increased 24.7% in the past few years, with 55.4% of those jobs in the health care and education sectors. And our neighborhoods are safer: the crime rate is at a 50-year low, thanks to an aggressive community policing program.

Cooper University Health Care is growing and changing lives. We invite you to be part of our mission: To serve. To heal. To educate.

Cooper Camden Campus Map



The most up-to-date directions to Cooper University Hospital are available at:
CooperHealth.org/Locations



One Cooper Plaza · Camden, NJ 08103-1489 · CooperHealth.edu

Hospital Main Number: **856.342.2000**

Graduate Medical Education: **856.342.2922**